



SEQUENCE LISTING

[110] Kazunari TAIKA

Masashi WARASHINA

Tomoko WARASHINA

[120] Nucleic acid enzymes acquiring an activity for cleaving a target RNA by recognizing another molecule

[130]

[140]

[141]

[150] JP 2000-313320

[151] 2000-10-13

[160] 17

[170] PatentIn Ver. 2.0

[210] 1

[211] 32

[212] RNA

[213] Artificial Sequence

[220]

[223] Description of Artificial Sequence: maxizyme-constituting RNA mole

cule

·400· 1

gguccuggec ugaugagagu gaugagcucu uc

32

·210· 2

·211· 27

·212· RNA

·213· Artificial Sequence

·220·

·223· Description of Artificial Sequence: maxizyme-constituting RNA molecule

·400· 2

gucugacugu ucauegaaac cgggucc

27

·210· 3

·211· 33

·212· RNA

·213· Artificial Sequence

·220·

·223· Description of Artificial Sequence: maxizyme-constituting RNA molecule

·400· 3

gguccuggec ugaugagagu uauugauggu cag

33

· 210 · 4

211 · 29

212 · RNA

213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: maxizyme-constituting RNA molecule

· 400 · 4

gaagggeuuuc uuucauegaa acggggucc

29

· 210 · 5

211 · 88

212 · RNA

213 · Artificial Sequence

· 220 ·

223 · Description of Artificial Sequence: tRNA^{Val} promoter sequence

· 400 · 5

acccguugguu ucgguaugugu agugguaauac aeguuegceu aacacgceaa agguecccgg 60

aaegaaacgg ggcacuacaa aaaccaaac

88

210 · 6

211 · 33

212 · RNA

213 · Artificial Sequence

220

223 Description of Artificial Sequence: ribozyme

220

223 n is a, c, g or u.

400 6

nnnnncugau gagcccgaaa gcecgaaann nnn 33

210 7

211 24

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: left side sequence
of maxizyme

400 7

cgaugaccug augagegaaa egge 24

210 8

211 24

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: right side sequence
of maxizyme

· 400 · 8

· ggggcugau gagegaaacg uucc

24

· 210 · 9

· 211 · 13

· 212 · RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: substrate

· 400 · 9

· gcegucguca ucg

13

· 210 · 10

· 211 · 11

· 212 · RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: substrate

· 400 · 10

· gcegucucccc g

11

· 210 · 11

· 211 · 15

· 212 · RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: substrate

· 400 · 11

ggaac guegu cgu cg 15

· 210 · 12

· 211 · 40

· 212 · RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: wild type ribozyme

{ · 400 · 12

gguccuggec ugaugaggec gaaaggcga aaccgggucc 40

{ · 210 · 13

· 211 · 19

· 212 · RNA

· 213 · Artificial Sequence

{ · 220 ·

· 223 · Description of Artificial Sequence: part of bcl-2 mRNA as
a substrate

{ · 400 · 13

ggacccgguc gccaggacc 19

· 210 · 14

· 211 · 25

· 212 · RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: part of HIV tat mRNA

· 400 · 14

gaagagcua ucagaacagu cagac 25

· 210 · 15

· 211 · 28

· 212 · RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: part of BCR-ABL mRNA

· 400 · 15

ugaccauca auaaggaaga agcccuuc 28

· 210 · 16

· 211 · 20

· 212 · RNA

· 213 · Artificial Sequence

220

223. Description of Artificial Sequence: part of normal ABL mRNA

400 16

uuaucuggaa gaagcccuuc 20

210 17

211 138

212 RNA

213 Artificial Sequence

220

(223) Description of Artificial Sequence: tRNA^{Vai} T-MzL

400 17

acguugguu ucguagugu agugguuauc acguugceu aacacgcaa aggccccgg 60

uucgaaacgg gcaacuacaa aaaccaacuu ugucugacug uucaucgaaa ccggguccgg 120

uaccccgau aueuuuuu 138